

HEMATITE FUEL FABRICATION FACILITY, GENERATOR-FIRE  
PUMP BUILDING  
(Building No. 115)  
3300 State Road P  
Festus  
Jefferson County  
Missouri

HAER MO-113-C  
*MO-113-C*

PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

HISTORIC AMERICAN ENGINEERING RECORD  
National Park Service  
U.S. Department of the Interior  
1849 C Street NW  
Washington, DC 20240-0001

**HISTORIC AMERICAN ENGINEERING RECORD**

**HEMATITE FUEL FABRICATION FACILITY**

**BUILDING 115**

**(Generator-Fire Pump Building)**

**HAER No. MO-113-C**

**Location:**

3300 State Road P  
Festus, Jefferson County, Missouri

**Present Owner:**

Westinghouse Electric Company Limited Liability Corporation  
(LLC).

**Present Use:**

Generator-Fire Pump Building

**Significance:**

Building 115 is a non-contributing building to the overall historic integrity of the Facility because it was constructed after the period of significance for this Facility. The building was constructed and equipped with modern, diesel powered, water pump and fire suppression equipment.

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BUILDING 101  
(Generator-Fire Pump Building)  
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**PART I. HISTORICAL INFORMATION**

**A. Physical History**

- 1. Date of Construction:** Circa 1997
- 2. Architect:** The architect for this building is unknown.
- 3. Owners, Occupants and Uses:** Owners include: Asa Brown Boveri, and Westinghouse Electric Company, LLC, have been the only owners/occupants of Building 115 and it has always been used as a pump house for the Facility.
- 4. Builder-Contractor:** The contractor is unknown.
- 5. Original plans and construction:** The original plans for Building 115 are in the possession of Westinghouse Electric Company Limited Liability Corporation (LLC).
- 6. Alterations and additions:** There have been no alterations or additions.

- B. Historical Context:** Historically the pump house contained a mop water boil-down tank which was situated immediately east of the chlorinating tank with a storm drain under the tank for over flow and was located between Buildings 240 and 250. The boil-down tank was eliminated circa 1993 and the storm drain capped. Building 115 was built to replace the pump house. The building is attached to a potable water tank that is connected to a 200,000 gallon gravity tank on a hill on the north side of State Route P. The tank elevation is a 50 pounds per square inch static head throughout the system. Before the current system was installed the existing chlorine tank was used as a pressure tank to create the static head using nitrogen as necessary. That operation ended in 1991 when the gravity tank was installed.

**PART II. ARCHITECTURAL INFORMATION**

**A. General Statement**

- 1. Architectural character:** Modern industrial.

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2. **Condition of fabric:** Excellent condition.

**B. Description of Exterior**

1. **Overall dimensions:** This building measures 36'-4" x 18'-4." Building 115 measures 648 total square feet.
2. **Foundation:** Reinforced concrete
3. **Walls:** Rough-faced concrete block in rust color and natural rough- faced concrete block at the corners and the foundation
4. **Structural system, framing:**
5. **Porches:** There are no porches.
6. **Chimneys:** There are no chimneys.
7. **Openings:**
  - a. **Doorways and doors:** Building 115 has one steel, double door located on the south side, leading in and out of the building.
  - b. **Windows:** There are no windows.
8. **Roof:**
  - a. **Shape, covering:** Flat, tar with low parapet
  - b. **Cornice, eaves:** There are no eaves or cornices.
  - c. **Dormers, cupolas, towers:** There are no dormers, cupolas, or towers.

**C. Description of Interior**

1. **Floor plans:** The Generator-Fire Pump House consists of one room.

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2.     **Stairways:** There are no stairways.
3.     **Flooring:** Concrete slab
4.     **Wall and ceiling finish:** Painted concrete block walls
5.     **Openings:** There are no interior openings.
6.     **Decorative features:** There are no decorative features.
7.     **Hardware:** Modern door knobs and light switches
8.     **Mechanical equipment:**
  - a.     **Heating, air conditioning, ventilation:** Modern heating and cooling system.
  - b.     **Lighting:** Florescent lighting.
  - c.     **Plumbing:** Modern plumbing.

**D.     Site**

1.     **General setting and orientation:** Building 115 is a stand-alone building that is set approximately 50' from State Road P at the northeast corner of the Facility grounds. The front of Building 115 faces south toward Building 110.
2.     **Historic landscape design:** Vernacular landscape

**PART III.     SOURCES OF INFORMATION**

- A.     Architectural drawings:** The original plans are currently held by Westinghouse Electric Company Limited Liability Corporation (LLC).

**B.     Bibliography:**

Malich, Phillip J. *034-JE-02 Proposed Hematite Former Fuel Processing Facility*. Missouri Department of Natural Resources, State Historic Preservation Office, Jefferson City, Missouri, 2002.

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**PART IV. PROJECT INFORMATION**

This Historic American Engineering Record (HAER) documentation project was undertaken due to the owner's desire to decommission the Facility. The Facility will be disassembled (this is being done for safety purposes and the work is being done in accordance with federal law and regulations regarding hazardous waste clean-up and disposal). In 2003, Westinghouse Electric Company, LLC, hired SCI Engineering, Inc., of St. Charles, Missouri, to complete the HAER documentation of the Hematite Fuel Fabrication Facility. Dr. Steve Dasovich supervised the project and Historian Colleen Small-Vollman authored the HAER documentation report. The report was compiled by Susan Sheppard. Bruce Meyer and Todd Kapler completed the photographic documentation of the Facility, and Asa Westphal completed the floor plan drawings.